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APPLICATION NO.	FILING DATE 01/14/2002		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO 4505		
10/047,272			Bum-Yeul Park	SAM-0291			
7590 11/19/2003				EXAM	EXAMINER		
Steven M. Mi	lls		LATTIN, CHRISTOPHER W				
MILLS & ONE Suite 605	ELLO LI	LP .	ART UNIT	PAPER NUMBER			
Eleven Beacon	Street		2812				
Boston, MA	02108			DATE MAILED: 11/19/2003	3		

Please find below and/or attached an Office communication concerning this application or proceeding.

1 ·		Applica	ation No.	Applicant(s)					
Office Action Summary			,272						
				PARK, BUM-YEUL Art Unit					
	·	Examir Christo	pher W Lattin	2812					
	The MAILING DATE of this communic				ir ss				
Period fo	or Reply			•					
THE - Extendition - If the - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNIC insions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) operiod for reply is specified above, the maximum stature to reply within the set or extended period for reply within the set or extended period	ATION. 37 CFR 1.136(a). In no ilication. days, a reply within the story period will apply and ll, by statute, cause the a	event, however, may a rep statutory minimum of thirty of the will expire SIX (6) MONTI application to become ABAI	oly be timely filed (30) days will be considered timely. HS from the mailing date of this cor NDONED (35 U.S.C. § 133).	nmunication.				
	Responsive to communication(s) filed	on 22 August 20	03.						
	This action is FINAL . 2b) This action is non-final.								
3)□	/ -								
Disposit	ion of Claims								
5) <u>□</u> 6)⊠									
Applicati	ion Papers		·						
10)	The specification is objected to by the The drawing(s) filed on is/are: a Applicant may not request that any objection Replacement drawing sheet(s) including the oath or declaration is objected to be	a) accepted or on to the drawing(s	e) be held in abeyand uired if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFF	• •				
•	ınder 35 U.S.C. §§ 119 and 120								
* S 13) \(\tau \) A si 3 a 14) \(\tau \) A	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of application from the International Cee the attached detailed Office action acknowledgment is made of a claim for nonce a specific reference was included in the foreign languacknowledgment is made of a claim for acknowledgment is made of a claim for acknowledgment is made of a claim for eference was included in the first senter	ocuments have becoments have between the priority document all Bureau (PCT Refor a list of the cedomestic priority in the first senten domestic priority domestic priority domestic priority	een received. een received in Appents have been received in Appents have been received in 17.2(a)). Intified copies not received in 17.2 U.S.C. § ce of the specificat application has been under 35 U.S.C. §	plication No eceived in this National S eceived. 119(e) (to a provisional a ion or in an Application E en received. § 120 and/or 121 since a	application) Data Sheet. a specific				
Attachmen	t(s)								
2) D Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTC nation Disclosure Statement(s) (PTO-1449) Pap			mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-					

Application/Control Number: 10/047,272 Page 2

Art Unit: 2812

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 and 11-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Kornrumpf (U.S. Patent 5,345,205).

Kornrumpf teaches a packaging structure, such as a TCP or COF, for packaging a plurality of semiconductor chips 120, the packaging structure comprising a film 130, which is comprised of an insulating film 132 and 136 and a conductive pattern 134 formed on the surface of the insulating film on which the plurality of semiconductor chips are mounted, wherein the film is folded in a predetermined direction by 180° two or more times so as to package the plurality of semiconductor chips in one package such that at least one semiconductor chip is interposed between surfaces of the film and is adhered by a predetermined adhesive material. See especially column 9-column 12.

Claims 7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Kornrumpf (U.S. Patent 5,345,205).

Kornrumpf teaches a method of packaging a device comprising: forming a film 130 by forming an insulating film 132 and 136, forming a conductive pattern 134 on the surface of the insulating film, mounting a plurality of semiconductor chips 120 on the film

Application/Control Number: 10/047,272

Art Unit: 2812

130; folding the film in a predetermined direction by 180° two or more times such that at

least one semiconductor chip 120 is interposed between surfaces of the film 130 and

packaging the plurality of semiconductor chips in one package and is adhering by an

adhesive material.

Response to Arguments

Applicant's arguments filed 8/22/2003 have been fully considered but they are

not persuasive. Applicant argues that the chips are bonded to substrates rather than to

the film. The claims merely limit that the semiconductor chips "are mounted" to the film

and do not prohibit the use of intervening structures to aid in such mounting. In the

same way that a picture can be mounted to a wall using a hook, the claimed chips can

be mounted to the claimed film using substrates as anticipated by the prior art.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Christopher Lattin whose telephone number is (703)

305-3017. The examiner can normally be reached Monday through Friday from 8:00

A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Niebling, can be reached at (703) 308-3325. The fax number for this

Group is (703) 872-9306.

Page 3

Application/Control Number: 10/047,272

Art Unit: 2812

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Page 4

CWL ~

November 14, 2003